

I claim:

- 5 1. A vaccine for cancer immunotherapy comprising a monoclonal antibody directed to a cancer cell and transfer factor wherein the monoclonal antibody is conjugated to an antigen.
- 10 2. The vaccine according to claim 1 wherein the cancer cell is selected from the group consisting of lung, pancreas, liver, cervical, kidney, brain, breast and spleen cancers.
- 15 3. The vaccine according to claim 2 wherein the cancer cell is a pancreas cancer cell.
- 20 4. The vaccine according to claim 1 wherein the antigen is asp f1.
5. The vaccine according to claim 1 wherein the antigen is the mumps virus.
- 25 6. The vaccine according to claim 1 wherein the monoclonal antibody is selected from the group consisting of 17-1A, CC49, EGFr surface factor, anti MC-10 antigen, anti-HER2, anti- CD20, NR-LU-10 and MDX-H210.
- 30 7. An anti-cancer vaccine comprising a virus and transfer factor wherein the virus infects cancer cells, wherein the virus further includes an antigen.
8. The vaccine according to claim 7 wherein the virus is selected from the group consisting of mumps, hepatitis encephalitis, Varicella, Rubella and measles.

9. The vaccine according to claim 8 wherein the virus is the mumps virus.

5 10. The vaccine according to claim 7 wherein the antigen is asp f1.

11. A method of treating cancer comprising:

- a) preparing a vaccine according to claim 1 and
- b) administering the vaccine.

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12. A composition comprising the vaccine of claim 1, for use in a method of treatment of cancer in a human body; said method comprising: administering to said human said monoclonal antibody and said transfer factor in separate steps.

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13. A composition comprising the vaccine of claim 7 for use in the treatment of cancer in a human body said method comprising administering to said human said virus and said transfer factor in separate steps.

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14. A cancer immunotherapy composition comprising a virus wherein the virus further includes an antigen and wherein the virus infects cancer cells.

25 15. The composition according to claim 14 wherein the virus is the mumps virus.

16. The composition according to claim 17 further including transfer factor.

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17. A cancer immunotherapy kit comprising a virus that infects cancer cells, wherein the virus further includes an antigen.

18 The kit according to claim 18 further including transfer factor.

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19. The kit according to claim 18 wherein the virus is the mumps virus.

20. A cancer immunotherapy kit comprising a monoclonal antibody wherein the monoclonal antibody further includes an antigen and transfer factor.

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21. The kit according to claim 24 wherein the antigen is asp f1.

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